

Fig. 1

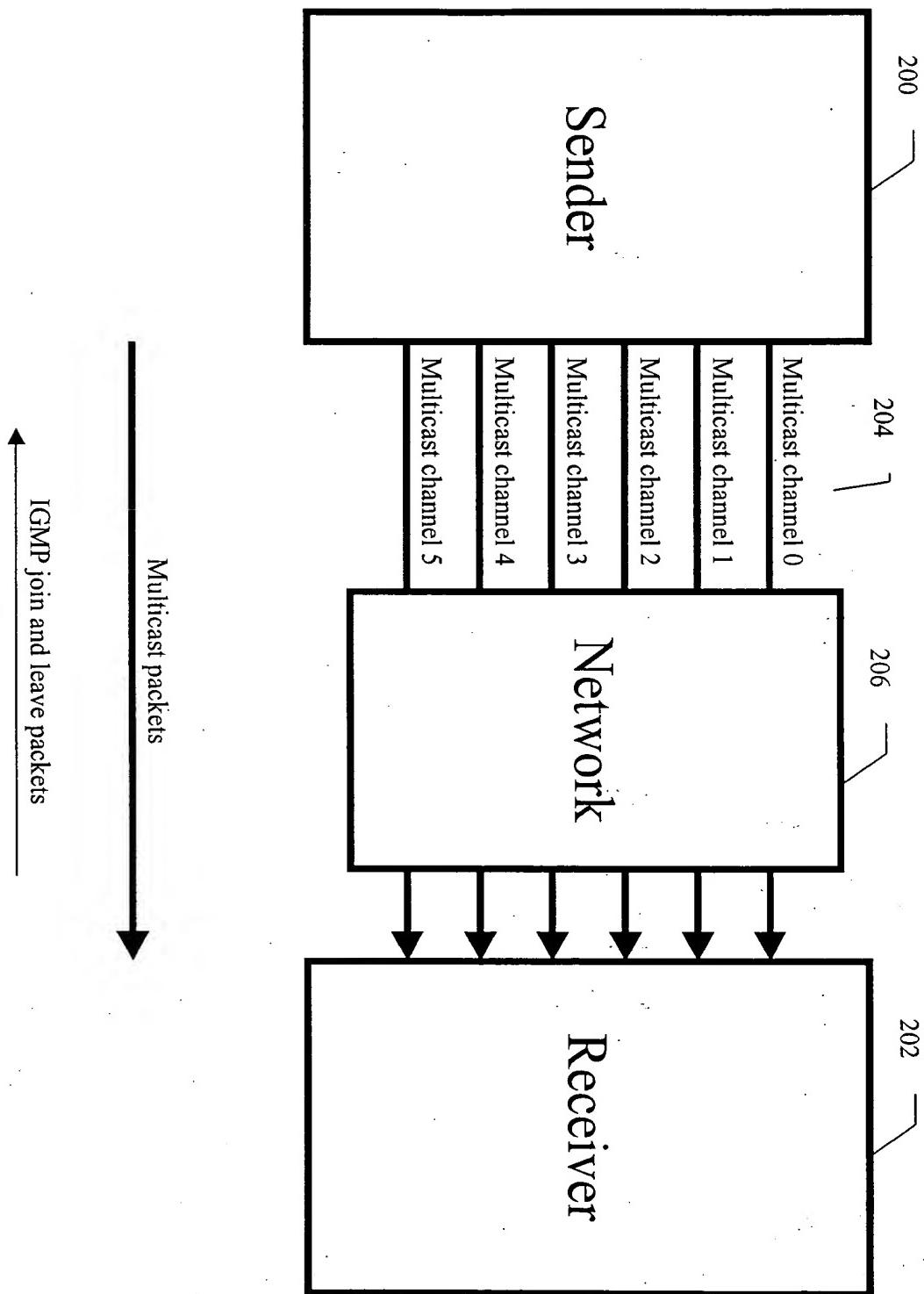


Fig. 2

JOIN

A – join issued to $DL(0)$

B – latest time for first packet of $DL(0)$ received

LEAVE

C – leave issued to $DL(c-1)$

D – latest time for last packet of $DL(c-1)$ received

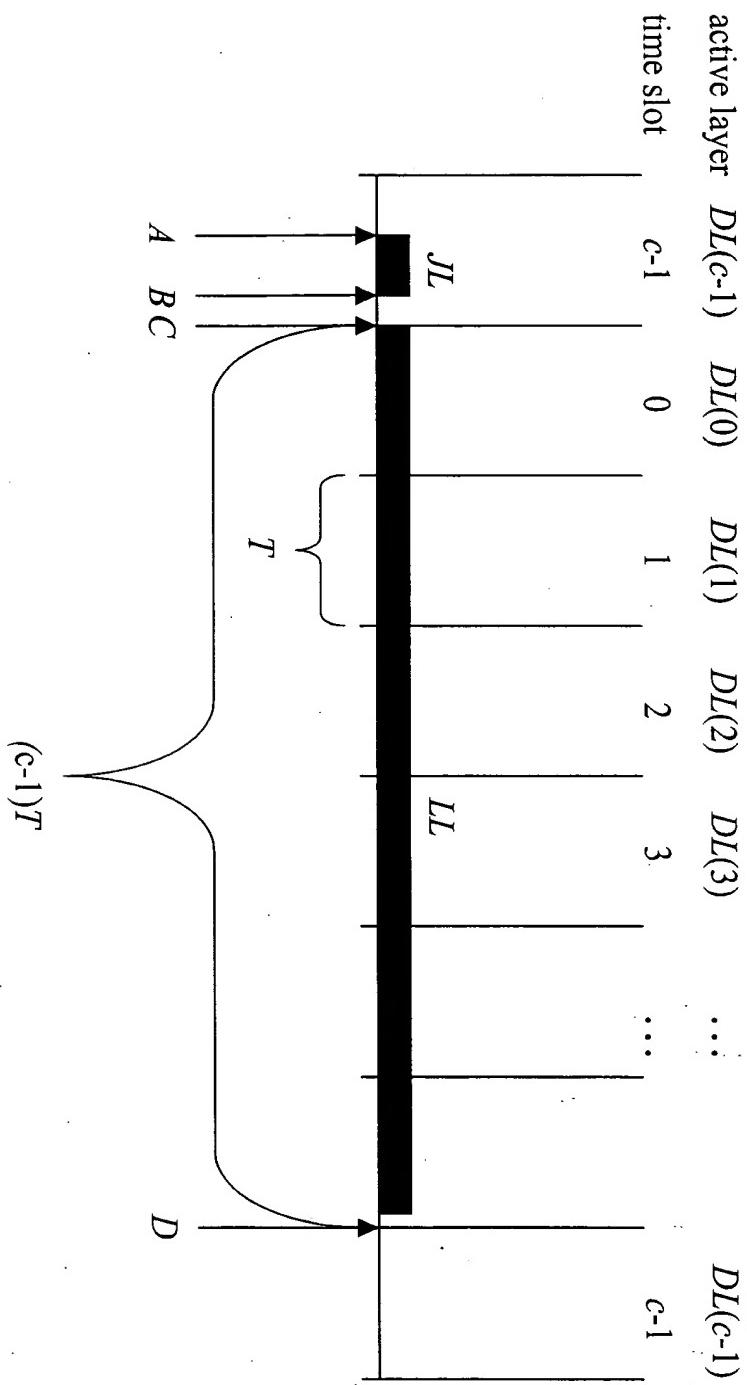


Fig. 3

rate R is 100 packets per T secs.
packet sequence range shown as $[a, b]$

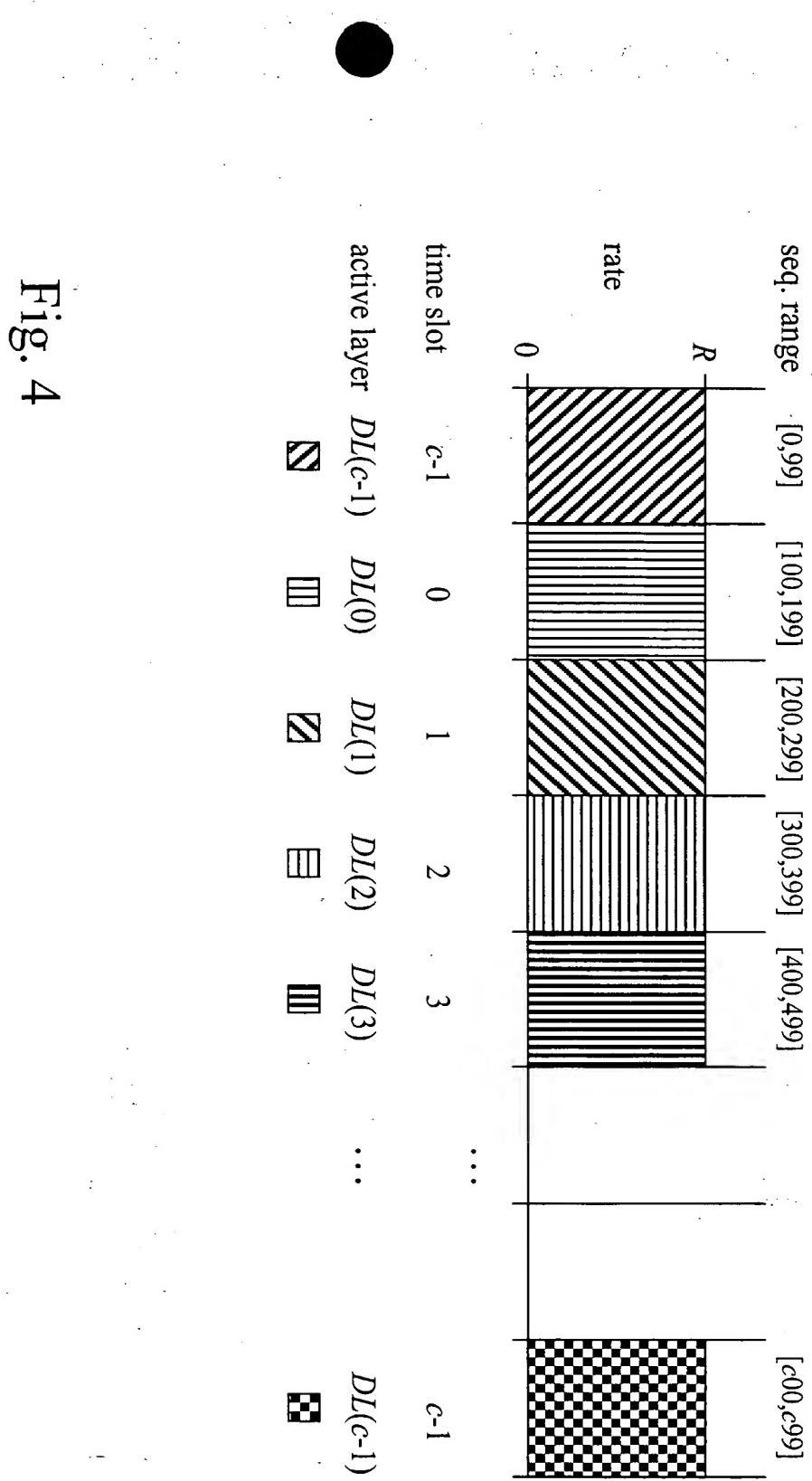
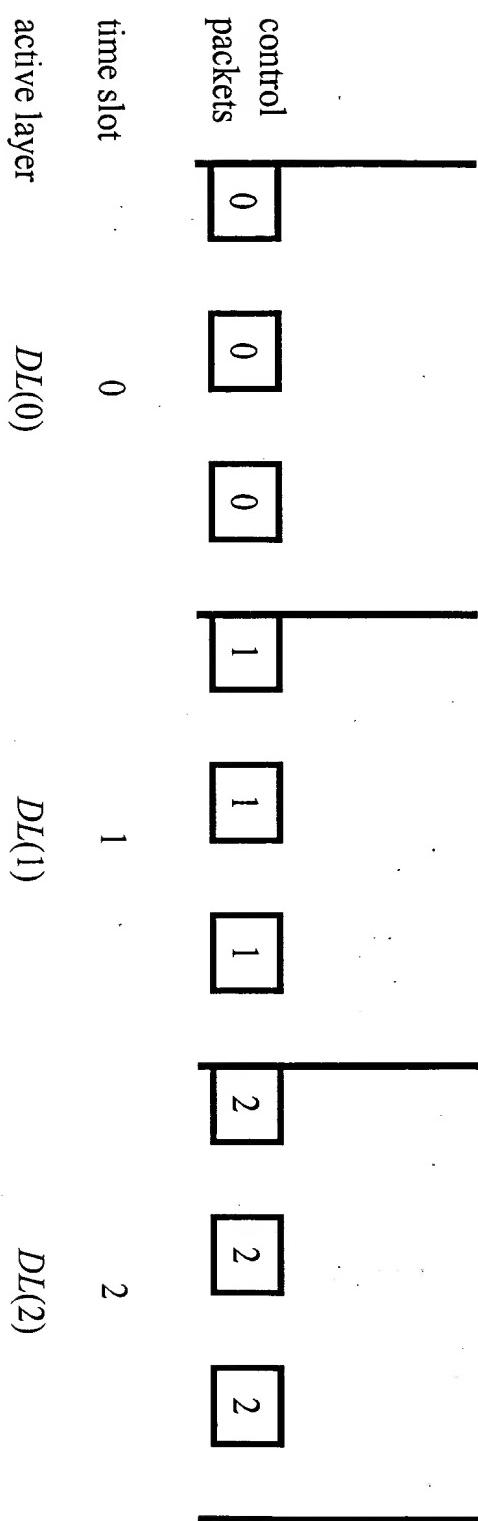
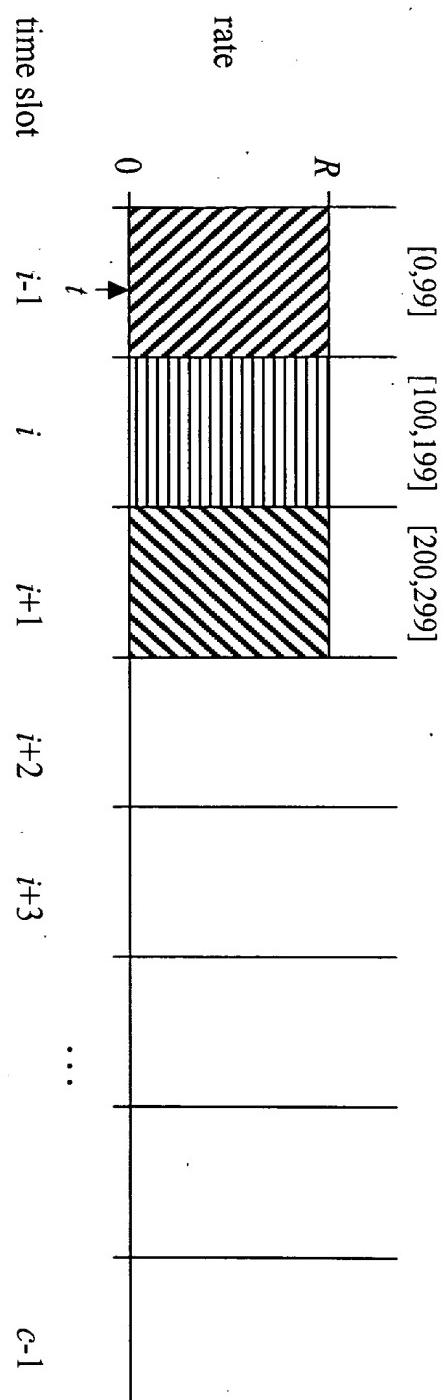


Fig. 4

Fig. 5



t = current time
 $mt = 3$
packet sequence range shown as $[a, b]$



joined layers $DL(i-1)$ $DL(i)$ $DL(i+1)$



Fig. 6

action = leave $DL(i-1)$, join $DL(i+2)$ and $DL(i+3)$

t = current time

mlt increased from 3 to 4

packet sequence range shown as [a,b]

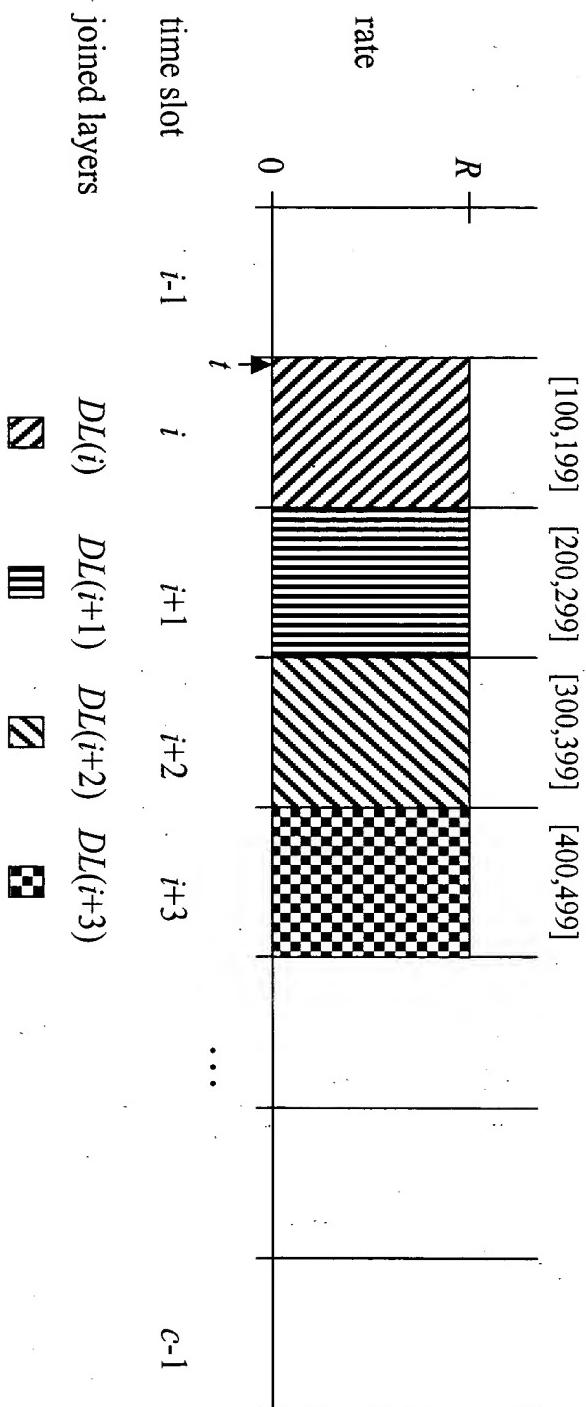


Fig. 7

JOIN

A – join issued to $DL(0)$

B – latest time for first packet of $DL(0)$ received

LEAVE

C – leave issued to $DL(c-1)$

D – latest time for last packet of $DL(c-1)$ received

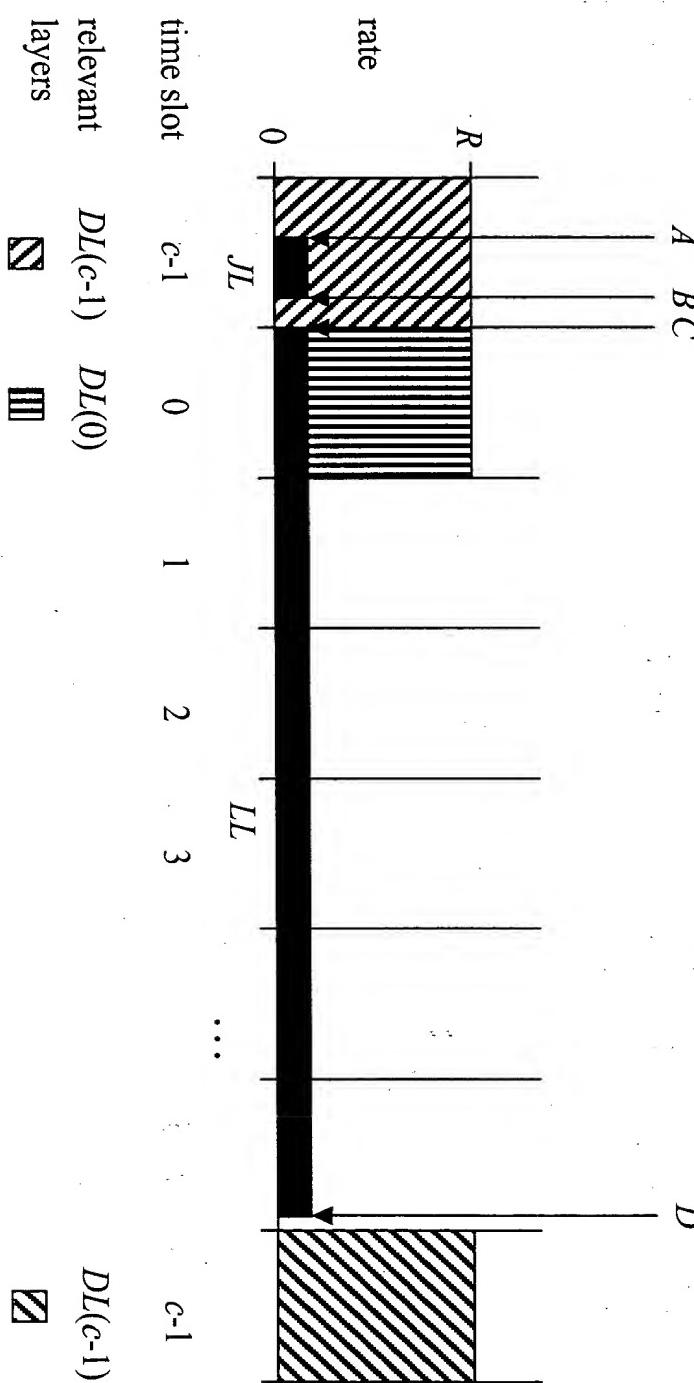
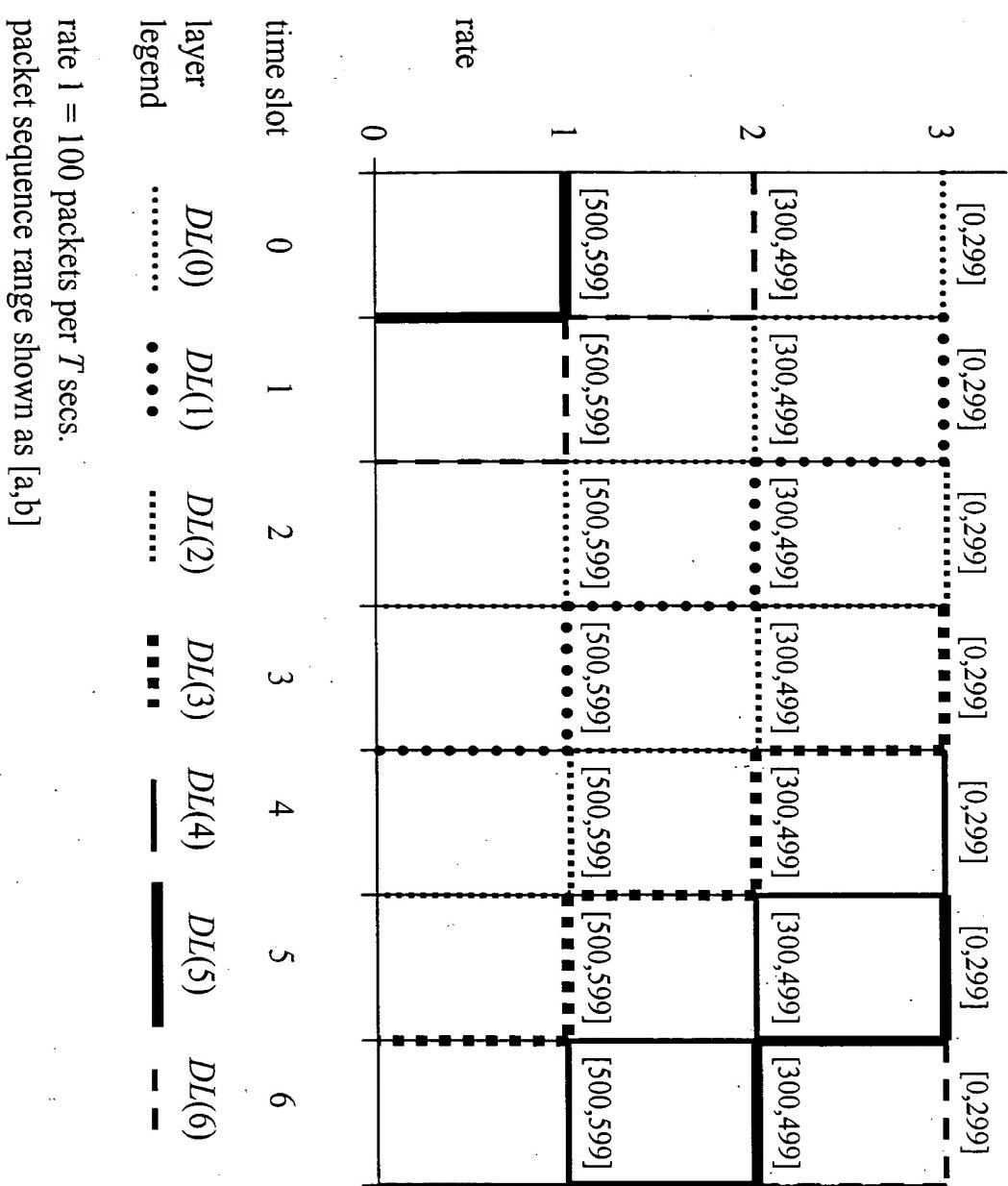


Fig. 8



rate 1 = 100 packets per T secs.

packet sequence range shown as $[a,b]$

Fig. 9

t = current time
 projected reception rate = 
 joined $DL(1)$
 layers = $\bullet\bullet\bullet\bullet$
 $DL(2)$

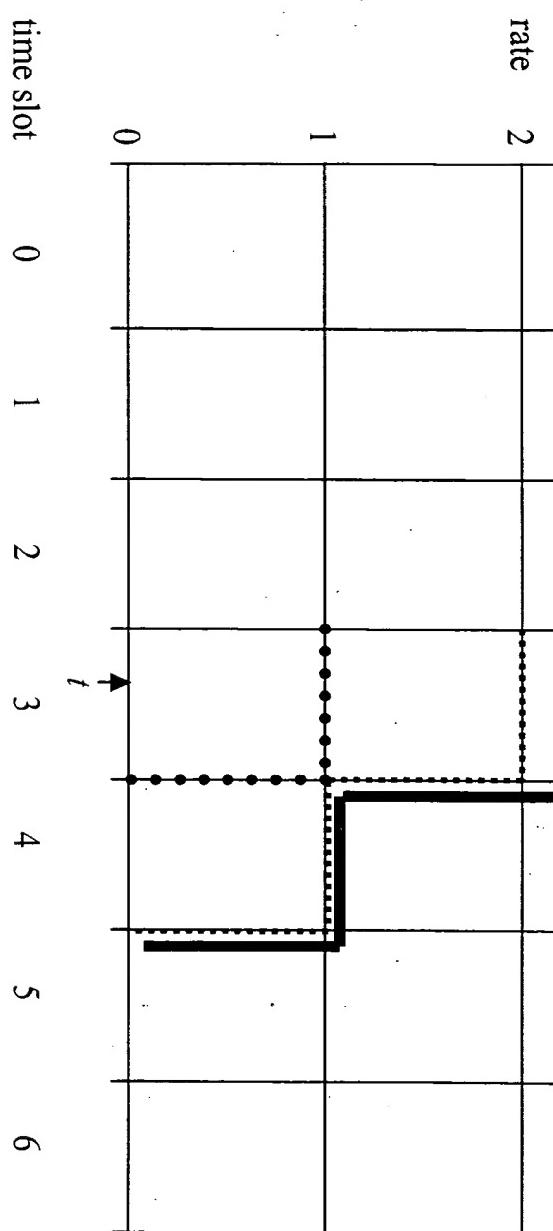
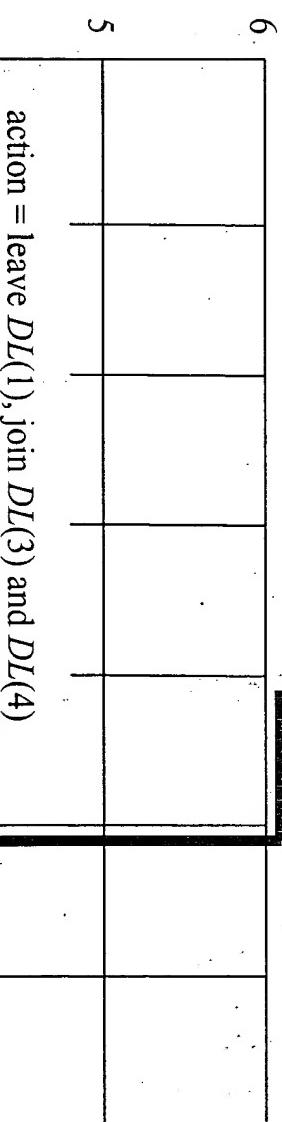


Fig. 10



action = leave $DL(1)$, join $DL(3)$ and $DL(4)$

t = current time

projected reception rate =

joined
layers = $DL(2)$ $DL(3)$ $DL(4)$

rate

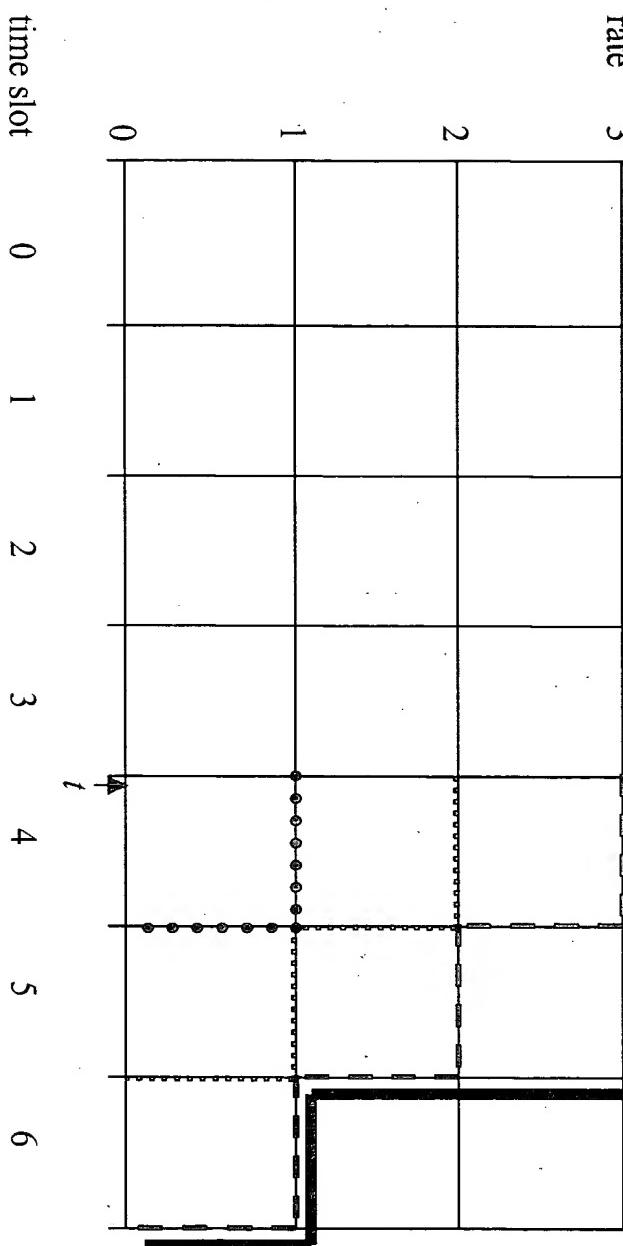


Fig. 11

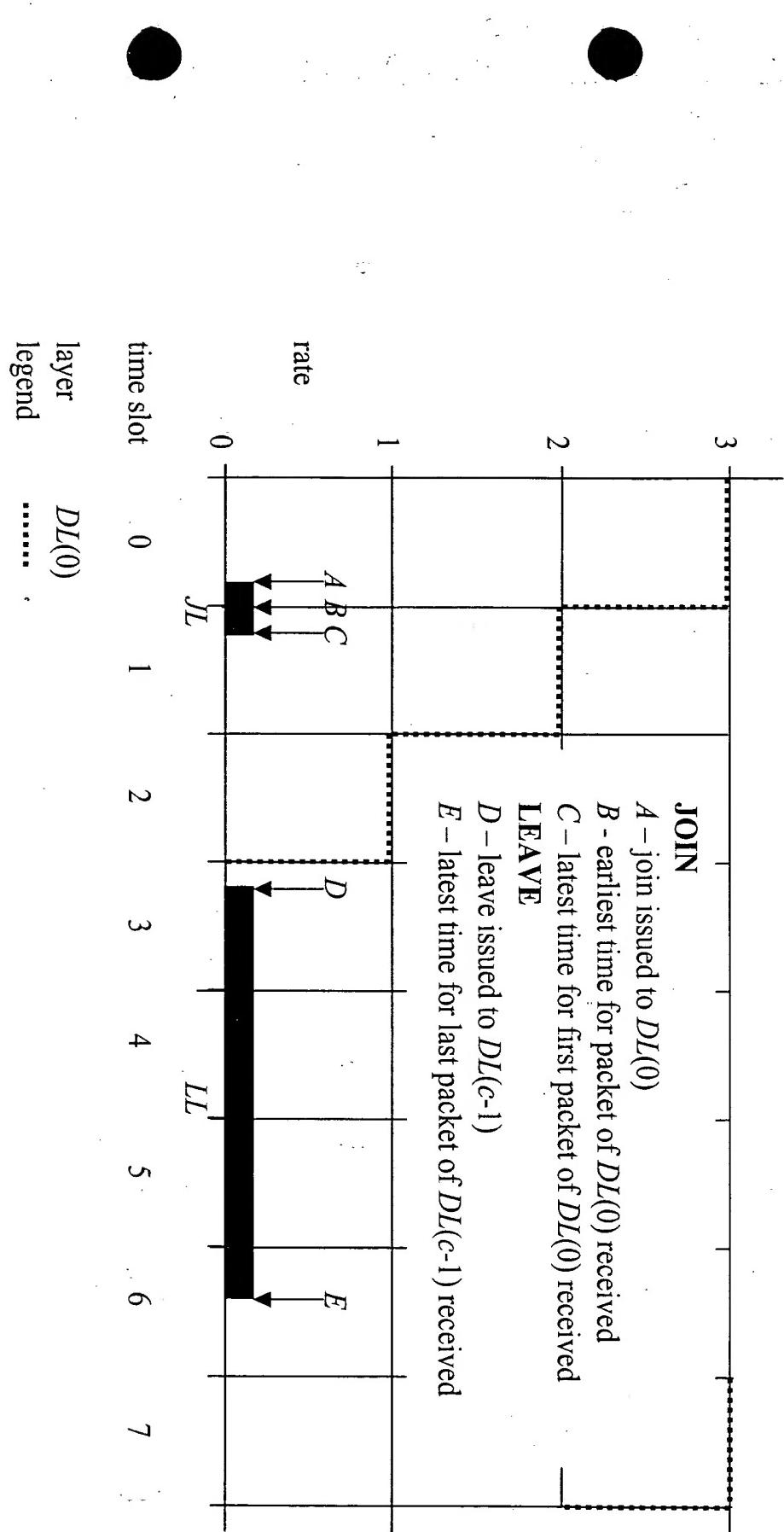
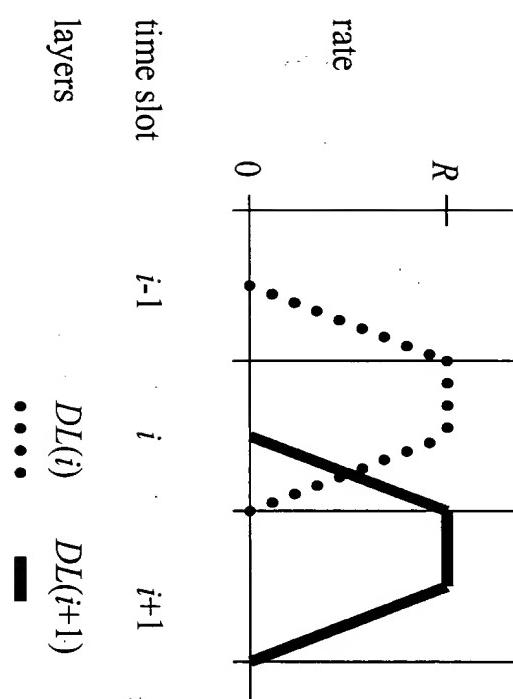


Fig. 12

Fig. 13



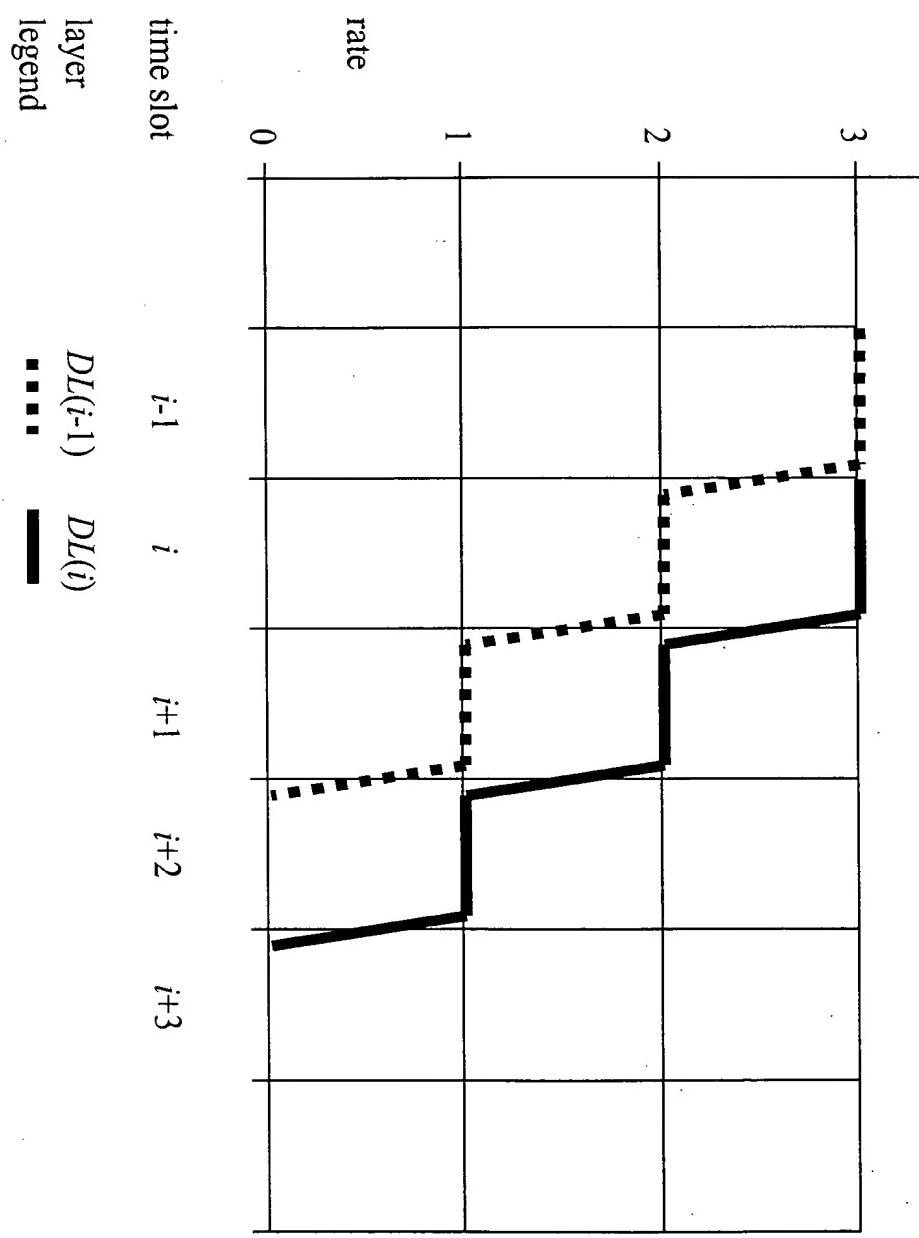


Fig. 14